

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 40264		SERIAL NO. 09/647,007	
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)		APPLICANT S. Joseph Campanella		GROUP 2663	
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE IF APPROPRIATE
OIP E SEP 18 2001 PATENT & TRADEMARK OFFICE	5 6 1 3 1 9 4	03/1997	Olds et al.	455	12.1
RECEIVED SEP 20 2001 Technology Center 2600					
FOREIGN PATENT DOCUMENTS					
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)					
EXAMINER	Layer, David H., "Digital Radio Takes to the Road", <i>IEEE Spectrum</i> , July 2001, pp. 40-46.				
EXAMINER	DATE CONSIDERED		4/30/01		
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

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PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO.  
40264SERIAL NO.  
09/647,007APPLICANT  
S. Joseph CampanellaFILING DATE  
September 26, 2000

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mj</i>	4 8 8 1 2 4 1	11/1998	Pommier et al.	375	38	
	4 3 8 5 3 8 1	05/1983	Alexis	370	69.1	
	5 5 5 0 8 1 2	08/1996	Philips	370	19	
	5 4 5 0 4 5 6	09/1995	Mueller	375	224	
	5 4 5 4 0 0 9	09/1995	Fruit et al.	375	202	
	5 2 8 3 7 8 0	02/1994	Schuchman et al.	370	50	
	4 9 0 1 3 0 7	02/1990	Gilhousen et al.	370	18	
	5 5 7 4 9 7 0	11/1996	Linguist et al.	455	13.1	
<i>mj</i>	5 1 9 1 5 7 6	03/1993	Pommier et al.	370	18	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>mj</i> 2 2 0 9 1 6 5	01/1998	Canada	HO4B	1/69	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>mj</i>	Hoeher, P. et al., "Helicopter Emulation of Archimedes/Mediastar Satellite DAB Transmission to Mobile Receivers", International Journal of Satellite Communications, Vol. 15, pp. 35-43 (1997).
<i>mj</i>	Tuisel, U. et al., "Carrier-Recovery for Multicarrier-Transmissin Over Mobile Radio Channels", International Conference on Acoustics, Speech and Signal Processing, ICASSPGE, San Francisco, 1992, pp. 677-680.
<i>mj</i>	F.C.C. Application of Satellite CD Radio, Inc. for Private CD Quality Satellite Sound Broadcasting System, May 18, 1990.
<i>mj</i>	Terrestrial and Satellite Digital Sound Broadcasting to Vehicular Portable and Fixed Receivers in the VHF/UHF Bands, International Telecommunication Union, Radio Communication Bureau, Geneva, 1995, pp. 18-34, 48-49, 87-93, 118, 162, 168-172, 183, <u>Annex C, Table of Contents and Description of Digital System B.</u>
<i>mj</i>	Principles for the Guidance of EBU Members for WARC-92 Broadcasting-Satellite Service, European Broadcasting Union, February 1991 Draft SPB 483-E, pp. 1-75.

EXAMINER

*M. J.*

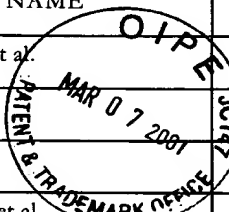
DATE CONSIDERED

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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
mj		5	2	2	8	0	2	5	07/1993	Le Floch et al.	370	20	
		5	4	5	0	4	4	8	09/1995	Sheynblat	375	346	
		5	7	2	6	9	8	0	03/1998	Rickard	370	293	
		5	4	8	5	4	8	5	01/1996	Briskman et al.	375	200	
		5	3	0	3	3	9	3	04/1994	Noreen et al.	455	3.2	
		5	3	1	9	6	7	3	06/1994	Briskman	375	1	
		5	6	5	9	3	5	3	08/1997	Kostreski et al.	348	21	
↓		5	5	9	2	4	7	1	01/1997	Briskman	455	52.3	
mj		5	7	9	4	1	3	8	08/1998	Briskman	455	344	
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)													
mj		Le Floch et al., "Digital Sound Broadcasting to Mobile Receivers", IEEE, Transactions on Consumer Electronics, August 1989, Vol. 35, No. 3, pp. 493-503.											
mj		"Proceedings from Second International Symposium on Digital Audio Broadcasting: The Sound of 2000", Toronto, Canada, March 14-17, 1994, Vol. I, pp. 158-181 and Vol. II, pp. 63-108 and pp. 240-248.											
mj		Annex C to ITU-R Special Publication on Terrestrial and Satellite Digital Sound Broadcasting to Vehicular Portable and Fixed Receivers in the VHF/UHF Bands on "Digital System B", November 1, 1994.											
mj		Introduction of Satellite in Complimentary Terrestrial Digital Sound Broadcasting in the WARC-92 Frequency Allocations, International Telecommunication Union, Document 10/30-E, February 22, 1995, pp. 1-17.											
mj		Advanced Digital Techniques for UHF Satellite Sound Broadcasting: Collected Papers on Concepts for Sound Broadcasting Into the 21 <sup>st</sup> Century, European Broadcasting Union, Extracted from EBU Document SPB 442, January 1998, pp. 11-69.											
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U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE						
mj	5 6 3 6 2 4 6	6/1997	Tzannes et al.	375	260							
mj	5 9 5 3 3 1 1	9/1999	Davies et al.	370	210							
mj	5 8 6 4 5 7 9	1/1999	Briskman	375	200							

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
					YES	NO	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)	
mj	“Mixed Satellite/Terrestrial Sound Broadcasting Service: Effect of a Co-Channel Satellite Service on a Terrestrial DSB Coverage”, International Telecommunications Unit, Radio Communications Study Group, Document 10B-CAN-6, October 8, 1993, pp. 1-8.
mj	The Eureka 147 Project, Digital Audio Broadcasting System, DAB Project Office, Germany, pp. 1-11.
mj	De Gaudenzi, R., “Analysis of an Advanced Satellite Digital Audio Broadcasting System and Complementary Terrestrial Gap-Filler Single Frequency Network”, IEEE Transactions on Vehicular Technology, Vol. 43, No. 2, May 1994, pp. 194-210.
mj	Linnartz, Jean-Paul M.G. et al., “Wireless Communication”, copyrighted 1995.
mj	Zheng, H. et al., “Subband Coded Image Transmitting Over Noisy Channels Using Multicarrier Modulation”, Technical Research Report T.R. 98-20, Institute for Systems Research.
mj	Miller, John E., “Application of Coding and Diversity Coding to UHF Satellite Sound Broadcasting Systems”, IEEE, pp. 465-475, copy right 1988.

EXAMINER <i>M. J.</i>	DATE CONSIDERED <i>4/30/04</i>
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